



SPAN TABLES FOR RESIDENTIAL DECKS

TABLE 1

DECK JOIST SPANS FOR RESIDENTIAL DECKS			
Live Load = 60 psf Dead Load = 8 psf ALLOWABLE SPANS			
SIZE	SPACING	DFL #2	REDWOOD
2 X 4	12"	5'-11"	5'-4"
	16"	5'-5"	4'-11"
	24"	4'-9"	4'-1"
2 X 6	12"	9'-4"	8'-6"
	16"	8'-6"	7'-9"
	24"	7'-0"	6'-6"
2 X 8	12"	12'-4"	11'-2"
	16"	10'-10"	10'-2"
	24"	8'-10"	8'-6"
2 X 10	12"	15'-3"	14'-3"
	16"	13'-2"	13'-0"
	24"	10'-9"	10'-10"

If joists are within 18" of grade, use pressure treated DFL or Foundation Grade Redwood.

TABLE 2

MINIMUM GIRDER SIZES (DFL #2 or better)							
POST SPACING (ft)	JOIST SPAN (ft)						
	4	6	8	10	12	14	16
4	4x4	4x4	4x6	4x6	4x8	4x8	4x8
6	4x6	4x6	4x8	4x10 6x6	4x10 6x8	4x10 6x8	4x12 6x10
8	4x8	4x10 6x8	4x10 6x8	4x12 6x10	4x14 6x10	4x14 6x12	4x16 6x12
10	4x10 6x8	4x10 6x8	4x12 6x10	4x14 6x10	4x16 6x12		

If joists are within 12" of grade, use pressure treated DFL or Foundation Grade Redwood.

TABLE 3

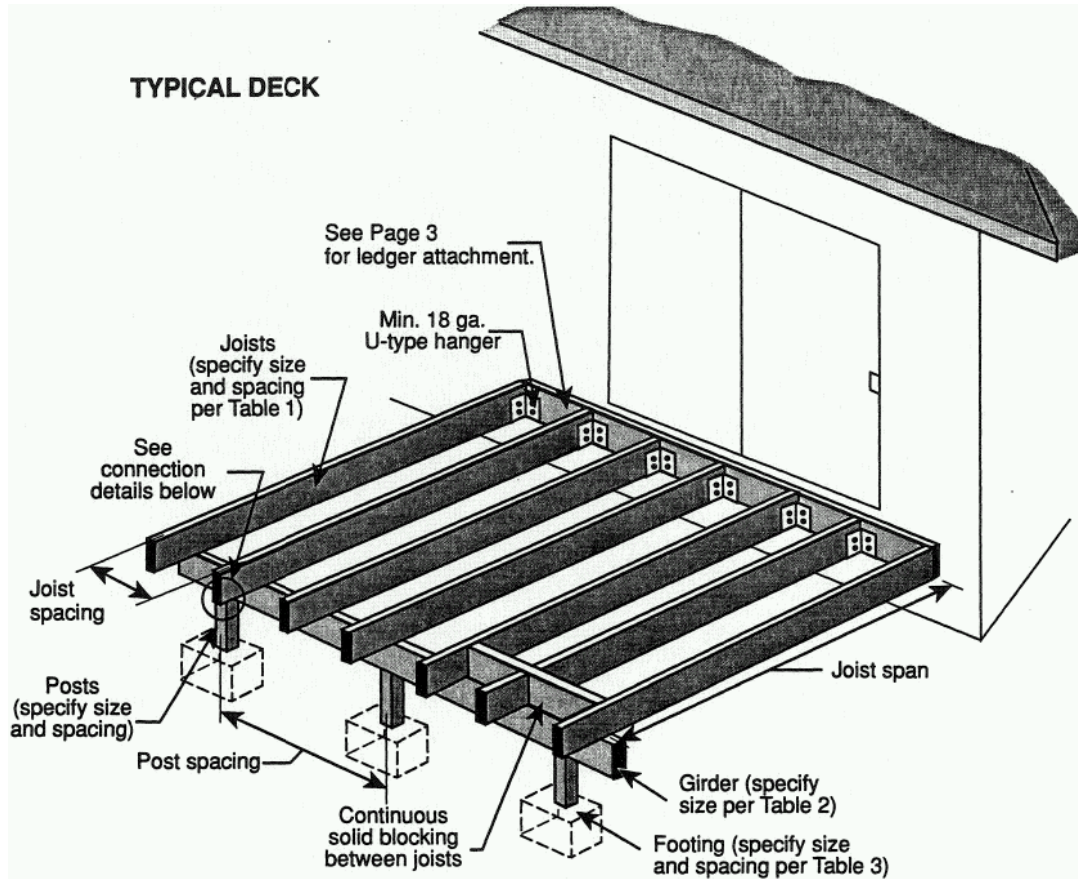
MINIMUM FOOTING SIZES (1000 PSF SOIL BEARING CAPACITY)							
POST SPACING (ft)	JOIST SPAN (ft)						
	4	6	8	10	12	14	16
4	12"	14"	16"	17"	18"	20"	21"
6	14"	16"	18"	20"	22"	24"	25"
8	16"	18"	21"	23"	25"	27"	28"
10	17"	20"	23"	25"	27"	29"	31"

Minimum footing depth to be 12" below natural grade.

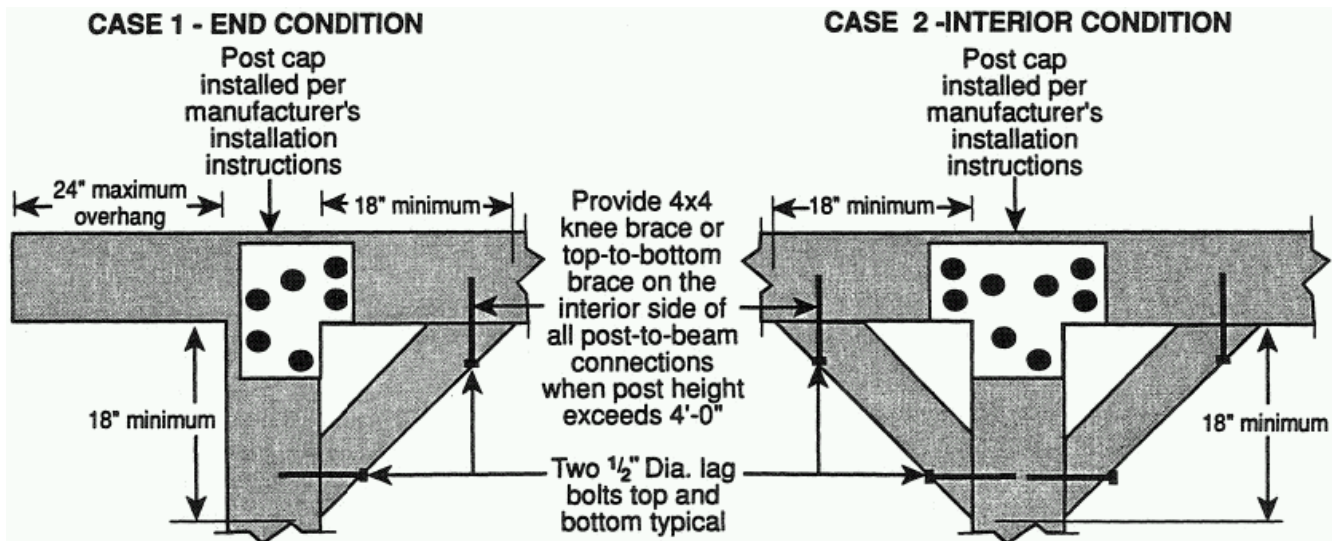
TABLE 4

NAILING SCHEDULE	
Connection	Nails (box or common)
Joist or Girder toe nail	3 - 8d
1x6 Sub floor to joist - face nail (only for joists 16" o.c.)	2 - 8d
2 inch Sub floor to Joist	2 - 16d
3/4 inch exterior plywood to Joist	8d common 6" o.c. edge 10" o.c. field
1 1/8 inch exterior T & G ply to girder	10d common 6" o.c. edge 10" o.c. field

Decking within 6" of grade should be Foundation Grade Redwood or pressure treated material.

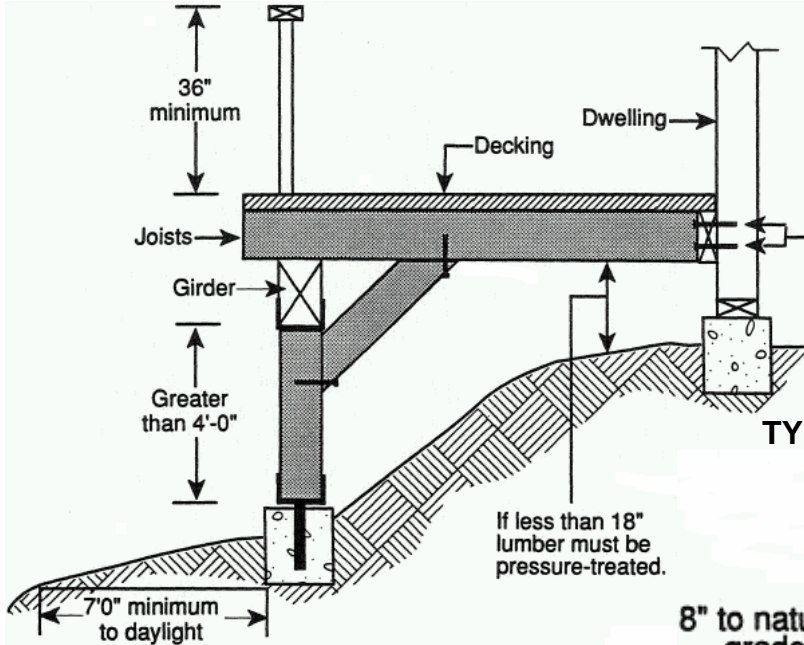


POST-TO-GIRDER CONNECTION



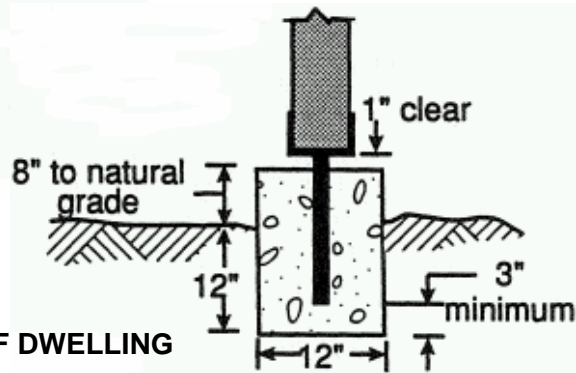


TYPICAL DECK ELEVATION LOOKING FROM PARALLEL TO REAR OF DWELLING

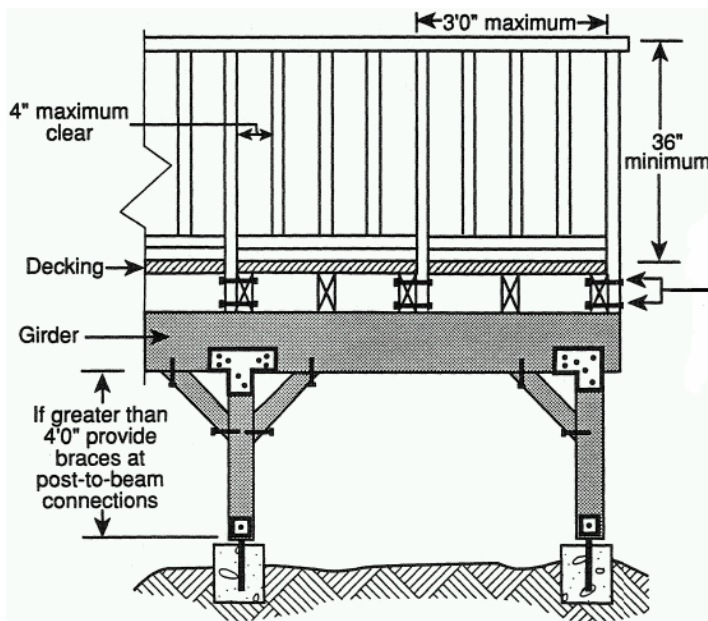


Ledger must be the same size as the joists or larger and fastened to the studs with two 3/16-inch diameter by 5-inch long lag bolts spaced at 16" maximum on center for up to a 16-foot joist span. Two 3/8 inch-diameter by 5 inch-long lag bolts may be spaced at 32" maximum on center when the joist span does not exceed 8'0".

TYPICAL PAD FOOTING



TYPICAL DECK ELEVATION FACING REAR OF DWELLING



Use two 1/2" Diameter x5" bolts through 2x6 joists minimum at 3'-0" maximum on center. Distance from edge of member to center of bolt to be 1 1/2" minimum.